

III. REMARKS

1. Claims 1, 2, 8 and 9 are amended to correct grammatical errors and antecedent basis errors.

2. Claims 1-10 are patentable over Matero et al. ("Matero") in view of Francisco et al. ("Francisco") under 35 U.S.C. §103(a).

Matero does not disclose or suggest a first integrated antenna switch arranged on the circuit board for selecting either a first internal antenna or a first external antenna to be coupled and connected electrically to a diversity switch, where the first integrated antenna switch is forced mechanically to select the first external antenna instead of the first internal antenna when the first external antenna is coupled to the first integrated antenna switch, and to select the first internal antenna when disconnected, and a second integrated antenna switch arranged on the circuit board for selecting either a second internal antenna or a second external antenna to be coupled and connected electrically to the diversity switch, where the second integrated antenna switch is forced mechanically to select the second external antenna instead of the second internal antenna when the second external antenna is coupled to the second integrated antenna switch, and to select the second internal antenna when disconnected, as recited by Applicant in claims 1 and 8.

Matero discloses a switching and connecting arrangement for coupling external and internal antennas. In Matero, the arrangement comprises at least a first integrated antenna switch arranged on said circuit board for selecting either a first internal antenna or a first external antenna to be coupled. The function of the switches 14 and 16, (see Fig. 1), as combined, constitutes a switch for selecting either the antenna 1 or the external antenna 1a, in turns. The circuitry of BAND 1 is

connected either to the antenna 1 (see the configuration of the switches in Fig. 6) or the external antenna 1a by simultaneously changing the positions of the switches 14 and 16 (see column 5, lines 59 to 63).

Unlike Applicant's invention, Matero does not disclose a second integrated antenna switch arranged on the circuit board. Matero also does not disclose or suggest a second internal antenna or a second external antenna. In Matero, there is only one internal antenna and one external antenna. Therefore, in Matero unlike Applicant's invention, there is no need for another integrated antenna switch.

Furthermore, Matero does not disclose or suggest a diversity switch arranged on a circuit board for selecting either the first integrated antenna switch or the second integrated antenna switch as is claimed by Applicant.

Thus, Matero does not disclose or suggest each of the features claimed by Applicant.

The combination of Matero and Francisco also does not disclose or suggest each feature of Applicant's invention, and in particular, the features noted above. Francisco discloses a multiport switching circuit for a dual band cellular/PCS phone. The circuit switches the transmitted and received cellular and PCS signals either to the internal antenna port or to the external antenna port. This is not the same as Applicant's invention.

In Applicant's invention, a first integrated antenna switch is arranged on the circuit board for selecting either a first internal antenna or a first external antenna to be coupled and electrically connected to a diversity switch. The first integrated antenna switch is forced mechanically to select the

first external antenna instead of the first internal antenna when the first external antenna is coupled to the first integrated antenna switch, and to select the first internal antenna when disconnected. A second integrated antenna switch is arranged on the circuit board for selecting either a second internal antenna or a second external antenna to be coupled and electrically connected to the diversity switch. The second integrated antenna switch is forced mechanically to select the second external antenna instead of the second internal antenna when the second external antenna is coupled to the second integrated antenna switch, and to select the second internal antenna when disconnected. The diversity switch is arranged on a circuit board for selecting the first integrated antenna switch or the second integrated antenna switch and for connecting the first and second integrated antenna switches in turns electrically to the circuit of a transceiver. These features are neither disclosed nor suggested by the combination of Matero and Francisco. Thus, claims 1 and 8 should be patentable.

Furthermore, there is no motivation to make the proposed combination and the proposed combination does not result in Applicant's invention. Since Francisco only switches the transmitted and received cellular and PCS signals either to the internal antenna port or to the external antenna port, the combination of Francisco to the system of Matero would not result in adding a second internal antenna, a second external antenna or a diversity switch to the system of Matero. Rather, the combination would only result to connecting the antenna 1 to port 16 (see Francisco, Fig. 1) and the external antenna 1a to port 12. Furthermore, it would require extensive reconfiguring of the switches 14, 16 and the transmission lines L1 - L4 for connecting the circuitry of both the BAND 1 and the BAND 2 to the port 10

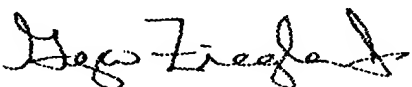
(see Francisco, Fig. 1). Only after that would the possible switching of PCS signals either to the internal antenna 1 or to the external antenna 1a would be possible. Thus, the combination of Matero and Francisco does not disclose or suggest the features of Applicant's invention as claimed and claims 1 and 8 should be patentable. Claims 2-4 and 7, 9 and 10 should be allowable at least in view of their respective dependencies.

3. Claim 5 is patentable over Matero in view of Francisco and further in view of Dosch under 35 U.S.C. §103(a). Claim 5 should at least be allowable in view of its dependency on claim 1.

For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record, and are in proper form for allowance. Accordingly, favorable reconsideration and allowance is respectfully requested. Should any unresolved issues remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,



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